

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	12	US-2233233-\$.DID. OR US-4121747-\$.DID. OR US-4074874-\$.DID. OR US-3863479-\$.DID. OR US-2986193-\$.DID. OR US-2751672-\$.DID.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 13:36
S2	9	("2751672").URPN.	USPAT	OR	ON	2009/01/27 13:58
S3	12	("1942304" "3241736" "3380147").PN. OR ("4121747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 13:59
S4	12	("2751672" "3183695" "3229487" "3380147" "3417587" "3677047"). PN. OR ("3863479"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 15:08
S5	13	("3380147").URPN.	USPAT	OR	ON	2009/01/27 15:22
S6	12	("2136943" "2862469" "3538728").PN. OR ("3677047").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 15:23
S7	6	("2233233" "3380147"). PN. OR ("4074847"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 15:26
S8	10	("2862469").URPN.	USPAT	OR	ON	2009/01/27 15:52
S9	10	("2862469").URPN.	USPAT	OR	ON	2009/01/27 15:53
S10	16	S7 S8 S9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 15:53
S11	550	(72/135).COLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/27 16:17
S12	2786	(72/135-145).COLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/27 16:18
S13	31	S12 and (metal near3 sheet) and (tube or tank or duct or hose or pipe) and (weld or welded or welding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 16:24

S14	7	("3314141" "3417587"). PN. OR ("4081981"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 16:26
S15	533	(72/49-50).CQLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/27 16:33
S16	49	S15 and (metal near3 sheet) and (weld or welded or welding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 17:18
S17	49	S15 and (metal near3 sheet) and (weld or welded or welding or welder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 17:18
S18	25	("2786435" "3067707" "3464253" "4232813" "4436239" "4567742" "4706481" "4711110" "4924684" "4951493" "5051081" "5105639" "5478123" "5609055" "5636541" "5881442" "6105227" "6110412" "6622680" "6655182"). PN. OR ("7137281"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 17:20
S19	2	("20070261455").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/27 17:29
S20	21	("3240042" "3604464" "3606779" "3606783" "3621884" "4161194" "4161811" "4279965" "4383555" "4598739" "4630650" "4733629" "4838317" "4964440" "5158115" "5454402" "5758695" "5768928"). PN. OR ("6006565"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 17:44
S21	30	("0901534" "1340818" "1453220" "1570886" "1677523" "1885587" "2118060" "3621884" "4326561" "4509560"). PN. OR ("4630650"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 17:46
S22	14	("1284064" "1512802" "1598872" "2417676" "2841183").PN. OR ("4598739").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 17:49

S23	1	("3240042").URPN.	USPAT	OR	ON	2009/01/27 17:51
S24	7	("3314141" "3417587"). PN. OR ("4081981"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 18:04
S25	484	S15 not S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 18:16
S26	6	("3940962" "4336702" "4567742" "4679391" "5468322" "5737832"). PN. OR ("6460236"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 18:19
S27	4	vanderbeken-m\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 18:20
S28	0	VK.as. and TANKS.as. and SILOS.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 18:24
S29	577	VK.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 18:24
S30	1171	TANKS.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 18:25
S31	294	SILOS.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 18:25
S32	0	S29 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 18:25
S33	3	S30 and S31	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 18:25
S34	0	VK.as. and helical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 18:26
S35	2039	VK.as. or TANKS.as. or SILOS.as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 18:26

S36	21	S35 and helical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 18:26
S37	8	("2515365" "3140534" "3417587" "3739459"). PN. OR ("4287739"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 18:27
S38	10	("2136943" "3750439" "4597276" "4706481" "4895011" "5079939"). PN. OR ("5606884"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 18:33
S39	13	("0189267" "0519182" "3122115" "3220234" "3606779" "3651677" "3858421").PN. OR ("4704885").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 18:38
S40	6	("1890077" "3269162" "3456471").PN. OR ("3835684").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 18:52
S41	11	("3132616").URPN.	USPAT	OR	ON	2009/01/27 19:09
S42	556	(138/154).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/27 19:46
S43	940	(29/429).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/27 19:46
S44	807358	helical or helically or spiral or spirally	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 19:47
S45	423	S44 and (S42 or S43)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 19:47
S46	556	(138/154).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/28 10:30
S47	940	(29/429).OCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/28 10:30
S48	807358	helical or helically or spiral or spirally	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 10:30

S49	86	S48 and (S46 or S47) and (metal near3 sheet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 10:30
S50	154	S48 and (S46 or S47) and (metal near3 (sheet or strip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 10:33
S51	10	("3340901" "4108212" "4129152").PN. OR ("4220181").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 10:36
S52	33	("2067801" "2068022" "2330966" "2713381" "2739089" "3199541" "3330303" "3621884" "3865146").PN. OR ("4129152").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 10:38
S53	12	("1942304" "3241736" "3380147").PN. OR ("4121747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 10:45
S54	173732	storage with tank	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 10:53
S55	43905	S54 and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 10:53
S56	4902	S55 and S48	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 10:53
S57	41935	(helical or helically or spiral or spirally) with metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 10:54
S58	461	S54 and S57	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 10:54
S59	533	(72/49-50).CQLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/28 10:55
S60	461	S58 not S59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 10:55
S61	140	S60 and (metal near3 (sheet or strip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 11:07

S62	137	S61 not S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 11:07
S63	6	("2233233" "3380147"). PN. OR ("4074847"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 11:10
S64	6	("2233233" "3380147"). PN. OR ("4074847"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 11:46
S65	29	("2143969" "2704913" "3206899" "3212184" "3245176" "3337384" "3474514" "3838496" "3966533" "4067097" "4074847" "4121384" "4121747" "4142284" "4266373" "4326398" "4476370" "4494291" "4587698" "4618757" "5737832").PN. OR ("6266862").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 11:48
S66	2	("4618757").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/28 11:59
S67	1	1985-088827.NRAN.	DERWENT	OR	ON	2009/01/28 11:59
S68	1	Cabany-Pierre\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 12:00
S69	3	("4494291").PN. OR ("4618757").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 12:01
S70	12	("1942304" "3241736" "3380147").PN. OR ("4121747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 12:07
S71	6	("2233233" "3380147"). PN. OR ("4074847"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 12:17
S72	43	S63 S64 S65 S69 S70 S71	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 12:36
S73	2376	(storage with tank) and (metal near3 (strip or sheet)) and (weld or welded or welding or welder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 12:48
S74	4868	(storage with tank) same (weld or welded or welding or welder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 12:48

S75	550	(storage with tank) same (weld or welded or welding or welder) and (roller)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 12:48
S76	449	(storage with tank) same (weld or welded or welding or welder) and (roller) and (support)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 12:49
S77	485	(storage with tank) same (weld or welded or welding or welder) and (roller) and (support or supporting)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 12:49
S78	180	(storage with tank) same (weld or welded or welding or welder) and (roller) and (support or supporting) and (bend or bead or beading or bending or bent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 12:49
S79	290	(weld or welded or welding or welder) and (roller) and ((helical or helically) with (support or supporting)) and (bend or bead or beading or bending or bent) and ((sheet or strip) near3 metal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 14:21
S80	38	("1688868" "2209420" "2323297" "2501951" "2731334" "2738094" "3312028" "3456835" "3555758" "3820292" "3945236" "3948412" "4004394" "4004429" "4044517" "4122640" "4181235" "4223797" "4225055" "4230293" "4338756" "4347949" "4442639" "4534490"). PN. OR ("5263603"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 14:22
S81	21	("3240042" "3604464" "3606779" "3606783" "3621884" "4161194" "4161811" "4279965" "4383555" "4598739" "4630650" "4733629" "4838317" "4964440" "5158115" "5454402" "5758695" "5768928"). PN. OR ("6006565"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 14:31

S82	2796	((storage or store or storing or storing) near2 (container or tank or barrel)) same rib	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 14:35
S83	234	((storage or store or storing or storing) near2 (container or tank or barrel)) same rib and (metal near3 (sheet or strip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 14:36
S84	133	((storage or store or storing or storing) near2 (tank)) same rib and (metal near3 (sheet or strip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 14:38
S85	136	((storage or store or storing or storing) near2 (tank)) same (rib or ribbed) and (metal near3 (sheet or strip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 14:40
S86	3	S85 not S84	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 14:40
S87	139	((storage or store or storing or storing) near2 (tank)) and ((helical or helically) same (rib or ribbed))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 14:42
S88	24593	(rib or ribbed or edge or bent) with (supported or support) with roller	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 15:29
S89	3602	(rib or ribbed or edge or bent) with (supported or support) with roller and (metal near3 (sheet or strip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 15:30
S90	0	(rib or ribbed or edge or bent) with (supported or support) with roller and (metal near3 (sheet or strip)) and (stogare adj tank)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 15:30
S91	19	(rib or ribbed or edge or bent) with (supported or support) with roller and (metal near3 (sheet or strip)) and (storage adj tank)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 15:30
S92	13	("2539853" "2922296" "3558411").PN. OR ("3914151").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 15:36

S93	5819	(storage adj tank).ab.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 15:39
S94	206	(storage adj tank).ab. and helical	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 15:39
S95	244	(storage adj tank).ab. and (helical or helically)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 15:39
S96	19	(storage adj tank).ab. and (helical or helically) and (metal near3 (sheet or strip))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 15:39
S97	140	((228/17.7).CQLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/28 15:46
S98	1593	((storage or cylindrical or metallic) and tank).ab. and (helical or helically or spiral or spirally).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 15:56
S99	1193	((storage or cylindrical or metallic) with tank).ab. and (helical or helically or spiral or spirally).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 15:56
S100	84	((storage or cylindrical or metallic or metal or circular) with tank).ab. and (helical or helically or spiral or spirally).ab. and (weld or welded or welding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 15:58
S101	808	(helically or spiral or spirally or helical) with roller with track	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 16:11
S102	213	(helically or spiral or spirally or helical) with roller with track and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 16:11
S103	213	(helically or spiral or spirally or helical) with roller with track and metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 16:11
S104	108	(helically or spiral or spirally or helical) with roller with track and metal and (container or tank or tube)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 16:13
S105	2	("3415092").URPN.	USPAT	OR	ON	2009/01/28 16:16
S106	9	("2808097").URPN.	USPAT	OR	ON	2009/01/28 16:18

S107	10	("0025294" "0280983" "1827056" "2264800" "3415092").PN. OR ("3750445").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 16:23
S108	10	("0025294" "0280983" "1827056" "2264800" "3415092").PN. OR ("3750445").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/28 16:23
S109	2	("3415092").URPN.	USPAT	OR	ON	2009/01/28 16:23
S110	0	anchotank.as.	USPAT	OR	ON	2009/01/28 16:26
S111	3	anchortank.as.	USPAT	OR	ON	2009/01/28 16:26
S112	3	vanderbeken.in.	USPAT	OR	ON	2009/01/28 16:27
S113	3	vanderbeken\$.in.	USPAT	OR	ON	2009/01/28 16:27
S114	0	vanderbeken-m.in.	USPAT	OR	ON	2009/01/28 16:27
S115	0	vanderbeken-m\$.in.	USPAT	OR	ON	2009/01/28 16:27
S116	4	vanderbeken-m\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/28 16:27
S117	115	(72/210).COLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/01/28 16:39
S118	6	US-2233233-\$.DID. OR US-4121747-\$.DID. OR US-4074874-\$.DID. OR US-3863479-\$.DID. OR US-2986193-\$.DID. OR US-2751672-\$.DID.	US-PGPUB; USPAT	OR	ON	2009/02/03 09:33
S119	12	("1942304" "3241736" "3380147").PN. OR ("4121747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/03 09:41
S120	29	("2143969" "2704913" "3206899" "3212184" "3245176" "3337384" "3474514" "3838496" "3966533" "4067097" "4074847" "4121384" "4121747" "4142284" "4266373" "4326398" "4476370" "4494291" "4587698" "4618757" "5737832").PN. OR ("6266862").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/03 11:31

S121	28	("1580760" "2530282" "3004324" "3219246" "3263321" "3422525" "3487537" "3661314" "3755873" "3893662" "3918626" "4160312" "4286860" "4746049" "5222288").PN. OR ("5737832").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/03 11:34
S122	14	("2751672" "3380147" "3838496" "3905092" "4121747").PN. OR ("4494291").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/03 11:43
S123	13	("3380147").URPN.	USPAT	OR	ON	2009/02/03 11:48
S124	6	("2233233" "3380147"). PN. OR ("4074847"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/03 11:52
S125	12	("2751672" "3183695" "3229487" "3380147" "3417587" "3677047"). PN. OR ("3863479"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/03 11:55
S126	6	("2233233").URPN.	USPAT	OR	ON	2009/02/03 18:02
S127	8	("2233233" "2992319" "3287536").PN. OR ("3789181").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/03 18:04
S128	40	lipp-xaver\$.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 09:50
S129	14	("0970885" "2063159" "2098717" "3276171" "3902288").PN. OR ("4171599").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/04 09:54
S130	13007	(weld or welding or welded) and (helical or helically or spiral or spirally) and (metal with (tank or silo or tube or container or storage))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 10:41
S131	4160	(weld or welding or welded) and (helical or helically or spiral or spirally) and (metal with (tank or silo or tube or container or storage)) and (metal near2 (sheet or strip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 10:41

S132	1856	(weld or welding or welded) and ((helical or helically or spiral or spirally) same (metal near2 (sheet or strip))) and (metal with (tank or silo or tube or container or storage))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 10:42
S133	1944	(weld or welding or welded) and ((helical or helically or spiral or spirally) same (metal near3 (sheet or strip))) and (metal with (tank or silo or tube or container or storage))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 10:42
S134	2375	(weld or welding or welded) and ((helical or helically or spiral or spirally) same (metal near3 (sheet or strip))) and (metal with (pipe or tank or silo or tube or container or storage))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 10:43
S135	1186	((edge or bend or bent or butt or flange or hem) with (weld or welding or welded)) and ((helical or helically or spiral or spirally) same (metal near3 (sheet or strip))) and (metal with (pipe or tank or silo or tube or container or storage))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 10:45
S136	8	("223233").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/04 10:48
S137	408348	((("72") or ("29") or ("228"))).CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/04 10:49
S138	360	S135 and S137	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 10:49
S139	12	("1942304" "3241736" "3380147").PN. OR ("4121747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/04 11:00
S140	5	("4142284").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/04 11:03

S141	1531589	(lock adj (seam or seaming)) or (lockseam or lockseaming) or (interlocked or interlock or interlocking) or (fold or folded or folding) or (lock \$1seam or lock \$1seaming)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 11:40
S142	1190515	(weld or welded or welding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 11:40
S143	154835	S141 and S142	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 11:40
S144	23072	S141 with S142	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 11:40
S145	5605	S144 same metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 11:41
S146	2741	S144 same (metal near3 (sheet or strip))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 11:41
S147	1972	S144 same (metal near3 (sheet or strip)) same (edge or bend or bent or butt or flange or hem)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 11:41
S148	345	S137 and S147	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 11:42
S149	505	S144 same (metal near3 (sheet or strip)) same (edge or bend or bent or butt or flange or hem) same both	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 11:43
S150	505	S144 same (metal near3 (sheet or strip)) same (edge or bend or bent or butt or flange or hem) same "both"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 11:44
S151	96	S137 and S150	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 11:44

S152	3	("2986193").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/04 12:59
S153	2	DE-19939180-\$.D.I.D.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 13:01
S154	1	2001-160665.NRAN.	DERWENT	OR	ON	2009/02/04 13:01
S155	4	("1765946").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/04 13:02
S156	4	((("4763830") or ("3183695") or ("4074847") or ("4121747")).PN.	USPAT	OR	OFF	2009/02/04 13:08
S157	2	DE-10136562-\$.D.I.D.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 13:10
S158	1	("3863479").PN.	USPAT	OR	OFF	2009/02/04 13:21
S159	1193	((storage or cylindrical or metallic) with tank).ab. and (helical or helically or spiral or spirally).ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 17:13
S160	0	S159 and (corrugat4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 17:13
S161	0	S146 and (corrugat4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 17:15
S162	0	S143 and (corrugat4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 17:15
S163	19	S159 and (corrugat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 17:15
S164	369	S146 and (corrugat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/04 17:16
S165	557	vertical and coil and seam and welder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/05 13:27

S166	51	vertical same coil same seam same welder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/05 13:27
S167	61	vertical with seam with welder	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/05 13:28
S168	8	(vertical with seam with welder) and (butt and welding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/05 13:33
S169	5	(vertical with seam with welder) and (butt with welding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/05 13:33
S170	2	("6282863").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/05 13:36
S171	2	(vertical with seam adj welder) and (butt with welding)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/05 13:39
S172	3	(vertical with seam adj welder) and butt	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/05 13:39
S173	26	(vertical with seam adj welder)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/02/05 13:39
S174	5	("3838496").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/02/05 16:13
S175	98139	("72").CLAS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/02/09 08:55
S176	113	S175 and ((fold or folding) with (weld or welding))	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/09 08:56
S177	9	S175 and ((lockseam or lockseaming or lock\$1seam or lock\$1seaming) with (weld or welding))	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/09 09:10
S178	22	S175 and ((lock adj (seam or seaming) or lockseam or lockseaming or lock\$1seam or lock\$1seaming) with (weld or welding))	US-PGPUB; USPAT; USOCR	OR	ON	2009/02/09 09:12

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